

ONGC Mangalore Petrochemicals Ltd
Mangalore Special Economic Zone
Perumde, Mangalore – 574 509

Addendum-1

to

OMPL Tender No: 1070C18023 dated 25-May-2018

TENDER FOR 500KWp Roof Top Grid Interactive Solar PV System

With reference to the above tender, bidders are requested to note the following:

1. The items, conditions, specification and stipulation of the Bidding Document stand modified to the extent indicated in the attached replies to the Pre-Bid queries. The implications of the same, elsewhere in the tender shall be taken care of appropriately by the bidders. All other terms and conditions, stipulations and specifications of tender shall remain unaltered.

Note:

Bidders shall submit copy of these documents along with the techno-commercial bid, duly signed and stamped, as a token of having read and understood the same.



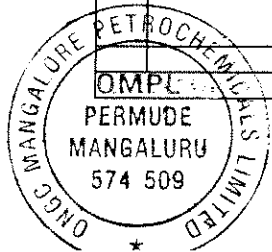
OMPL Tender No: 1070C18023

Bidder's Seal & Signature

ADDENDUM-I

Tender No. 1070C18023 for 500kWp Roof Top Grid Interactive Solar PV System at ONGC Mangalore Petrochemicals Ltd (OMPL) - An SEZ Unit

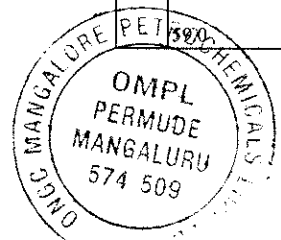
Sl.	Section	Description	Query	OMPL Replies/Clarifications/Amendment/Corrigendum
1	Page 25. Serial Number 26	Measurement of Solar Irradiation	The Tender insists for measuring solar irradiation in three places. With each system costing more than Rs. One Lakh each system, the benefits achieved from multiple measurements is negligible. But only add to maintenance cost as these systems needs to be cleaned on daily basis. Also the environmental data is readily available in internet which can be used for report purpose and using exclusive system for solar irradiance measurement will not benefit the organisation. Request you to reconsider requirement of 3 systems. We suggest only one system is sufficient for the geography proposed.	1 system can be provided for Solar Irradiation measurement at mutually agreed location.
	Page NO. 27, Sl. No. 7	AC distribution board with import and export metering and isolation panel to be installed between the PCU and the LT switchboard. Shall comprise of integrated energy meter, voltmeter and ammeter with facility to measure and record energy output of the inverters. Class I + II (as per IEC 62305) 100 kA Surge Arrestor should be incorporated for protection against surges. Metering shall be with class 0.2S CT/PT & meters.	The ACDB is provided with two numbers unidirectional energy meters that is one main meter and one check meter to measure and record the energy produced by each inverter. This information will also be available in Remote Monitoring system. Adding the net meter to measure the import and export will necessitate modification to the existing LT switchgear and costs money which we feel is not necessary. Request you to reconsider the requirement of net meter and exclude this requirement if possible.	Metering is required to be done, however, facilities for the same as per the requirement/specification can be provided either in ACDB or inverter module based on the detailed engineering carried out. Other specifications for metering requirement i.e. CT/PT etc shall remain as per tender specification.
	Page No. 29, Sl. No. 8, 9 and 10	Data logger shall gather information and monitor the performance of the inverter. It shall also support measurements from the external sensors. Data Logger shall also monitor the Solar Insolation and temperature of Array Yard.	The Tender specification calls for monitoring of SPV Temperature, Soiling Sensor, Array Temperature, Energy meters data, Inverter data, weather monitoring data, SPD failure data, ACDB MCB ON/Off events and Trip events etc., To measure all these parameters, we will require a SCADA system as the commercially available Data loggers are only of 8 channel (which consists of 2 AI, 2 DI, 2 DO, and 2 AO, one RS-485). As it is evident from the requirements there will be 7 systems in different building with their own dedicated inverters. With so many systems scattered geographically, each requires dedicated scada system will be very expensive. We request you to firm up the requirement on number of parameters that are to be measured for eg. Inverter Data which provided you information such as DC side voltage, current, AC side voltage, current, power, power factor, inverter temperature, etc. By pulling the data from inverter provides 90% of the information and hence we feel SCADA solution does not benefit the customer. Kindly review this requirement.	Follow tender specification.
	Page No. 43	Inverter must have display where the owner can see and change required parameter directly on the inverter.	Most of the Inverters does not have provision to change the parameters from the front panel. The configuration change is only permitted through RS-232 PORT. This is due to the fact that the Inverter is IP-65 and not possible to have screen with keyboard to comply to this requirement. Kindly review this requirement and advise.	Inverter must be provided with the display feature for seeing various parameters, however, necessary setting/configuration change can be done by connecting to laptop through appropriate communication port. Necessary supply of software for the same shall be in the scope of the bidder.
	Page No. 59, Sl. No. 5	Bank Guarantee must be provided by the successful bidder amounting to 10% of the order value, which shall be released after 6 years from the date of successful commissioning (1 year warranty + 5 years panel warranty) of Solar PV plant.	As the market is very competitive, Insisting for 10% BG on contract value with locking period of 6 years will be financial burden. Kindly reduce it to 5% and with a lock in period of 1 year.	Follow Tender Specification.



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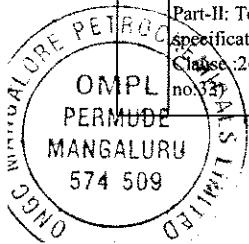
Sl.	Section	Description	Query	OMPL Replies/Clarifications/Amendment/Corrigendum
31		Logging of ACDB Data	Logging of ACDB trip events and monitor of AC-SPD remotely which required different specification for ACDB. Kindly confirm.	Follow Tender Specification.
48		Make of Switches/Circuit breaker	ACDB is required in compartmentalised and modular type with individual feeder modules in multi tier mode? Kindly confirm	Same depends on the Design/Engineering. Common ACDB can be provided if installations are nearby & voltage drop matches the required specification. Approx distance is mentioned in Annexure-1 of the tender documents
20		DCR Module	Please confirm DCR module with make in India cell or only module?	DCR shall be Make in India for Module Only
75,78		No deviation allowed in priced & unpriced offer	The tender calls for no deviation on Technical and commercial terms. However we observe that there is format provided for any deviation to be taken. Request you to please clarify if there is deviation allowed or not allowed	No deviation is allowed. Deviation sheet is provided in case any vendor is taking any deviation on account of engineering difficulty, same shall be evaluated based on acceptance by other bidders.
25.0		Statutory Approvals	While vendor shall obtain necessary approval for the solar plant, any documentation support required shall be provided by OMPL	Confirmed
29.0		Data logger - SIM cards shall be provided by OMPL	Please confirm all charges towards SIM card shall be borne by OMPL.	Confirmed
30.0		Logging of sensor data - Solar Irradiation sensors; Wind speed and direction sensor, Ambient and Module temperature sensor, soiling sensor	One set of sensors shall be provided since for a given plant wind speed and the irradiation data will be same. Kindly confirm.	Confirmed
42.0		SPV kWp rating to Inverter kW rating shall be 1.2	There are various buildings with various capacities. While we use AC/DC ratio within the permissible ratio allowed by each of the inverter manufacturer, for overall plant, we shall maintain the ratio of 1.2 as sought in the tender. Kindly confirm.	Follow tender specification.
39.0		Inverters installed outdoor shall be with IP66 protection.	Most of the approved inverter manufacturers design is with IP65 protection and hence request you to accept IP65, which is fit to use for outdoor application.	IP65 with FRP rain canopy can be provided.
45.0		Make of cables	Request you to kindly include Siechem and APAR make as there are 100s of MW up running with these cables in India.	Same can be used under EQUIVALENT category with necessary supporting documents to be provided for EIC approval during execution of work.
46.0		AC Cables	All AC cables used for solar power evacuation shall be of AI cable. Kindly confirm.	AC cables can be of AI make with other specifications and voltage drop as detailed in the tender.
51.0		Pyranometer - Atleast one Pyranometer per roof top is required	Since for the given area / plant solar irradiance is same, one for the total project is sufficient. Kindly confirm.	Confirmed. One pyranometer at mutually agreed location can be provided.
52.0		Make of identical equipments used in the project shall be the same.	Considering varying roof sizes and the capacity, not one inverter manufacturer shall have all the capacity. Hence for better optimisation, request you to allow us to use atleast 2 makes. For other equipments we can use single vendor.	Identical equipment shall be used, however, in case required capacity is not available for inverter with any single manufacturer, same can be extended to 2 vendors maximum. However, final decision of the same shall be only after detailed engineering & submission of necessary documents confirming that the required rating of inverter is not available with single vendor. Decision of the EIC shall be final & binding.
23.0		Smart meter	Please clarify on Import & Export meter	Individual buildings/system shall have Solar Gross generation Meter which shall have communication feature to communicate with centralized SACDA
		Guarantee/Warrantee- BG is provided for 6 years from the date of commissioning	The BG called is for 5 +1 year we request OMPL to make it total 5 years only as the O&M is there for only 5 years. The O&M will start immediately after commissioning of the plant. Hence, PBG should be for only 5 years from the date of successful commissioning.	Confirmed.



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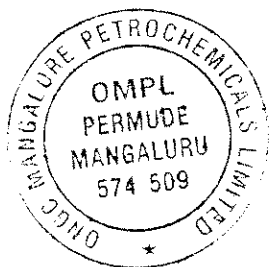
Sl.	Section	Description	Query	OMPL Replies/Clarifications/Amendment/Corrigendum
76&77		Buildings for rooftop for solar power plant 500kW	There are total 26 buildings excluding the car port which needs to be designed and engineered. The company proposes that it will achieve total 500kW solar rooftop from any set of buildings in the shedule Sr no 1,2,3,4,5,12 & 13 and not necessarily utilize all the buildings. Please confirm.	Detailed feasibility has to be carried out for all the building mentioned in the annexure, however, bidder is free to use any set of buildings(with RCC roof only) and not necessarily utilize all for achieving a total of 500kWp installation for which detailed engineering, procurement & installation along with other jobs as detailed in scope of work shall be in bidder's scope.
	Part-II Technical Specifications, clause:25[Page no:25]	All statutory approvals / CEA approvals /approval from Govt. of Karnataka through Karnataka Renewable Energy Development Ltd / Electrical Inspectorate approval and approvals from other statutory and Government authorities as the case may be for completion of the project are in scope of bidder.	Documentation support shall be provided by BEL, however responsibility shall be with OMPL.	Necessary documentary support shall be provided by OMPL, however, required liasoning shall be in the bidder's scope
	Part-I: Technical specifications, Clause :1 (Page no:28)	Solar panels and array junction boxes shall be installed on shade free roof while the PCU and distribution boards , etc. shall be housed preferably inside the substation/room provided.	BEL requests customer to allow to mount PCU/Inverter on the roof itself to reduce the DC losses, however PCU is IP65 rated, AC Distribution board can be mount in room.	Same can be mounted as per the Design/Engineering finalization. Any outdoor installation shall be provided with rain canopy.
	Part-II: Technical specifications, Clause :5 (Page no:29)	In addition to SIM based (GPRS / GSM) communication (Make: Rico Electric or equivalent), the system shall also offer Ethernet port and LAN / WAN interface to facilitate remote monitoring of the system. All necessary hardware and software are in bidder's scope. Monitoring of inverters from any PC on local LAN of OMPL must be possible	Data loggers can be given with the interfaces (Intranet and internet), but at any given time data logger can work with one interface only	Noted & Confirmed. Both the facilities shall be available and shall be on users' choice to operate any of them.
	Part-II: Technical specifications, Clause :9 (Page no:30)	Temperature sensor inside ACDB for emergency shutdown of ACDB	Temperature sensor is provided with PCU , However ACDB is designed by taking care of Temperature and all other temperatures can be in remote monitoring.	Noted. ACDB can be provided without temperature sensor
	Part-II: Technical specifications, Clause :9 (Page no:30)	Solar irradiation sensors, wind speed and direction sensors, Soiling Sensors The above sensors shall be provided for at least two mutually agreed locations	As all the buiding/Locations are within a single campus, hence these sensors (Solar Irradiation sensors, wind speed and direction sensor, Ambient temperature sensor) can be fixed on any single building suggested by customer.However module temperature snsor and soiling sensor will be given for individual buildings.	1 common system can be provided.
	Part-II: Technical specifications, Clause :26 (Page no:33)	Solar crystalline modules of minimum 325Wp(72 cells) and above wattage. Module capacity less than minimum325 watts shall not be accepted	BEL requests to consider Monocrystalline Non PERC 300Wp and above modules with 3 Busbar Technology	Follow tender specification
	Part-II: Technical specifications, Clause :26 (Page no:33)	The Solar PV Module shall be made from poly crystalline Silicon Solar Cell, Solar PV Module manufacturing shall be 5 Bus Bar technology, Modules shall be built with PERC technology for better energy generation.		



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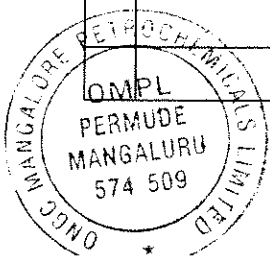
Sl.	Section	Description	Query	OMPL Replies/Clarifications/Amendment/Corrigendum
	Part-II: Technical specifications, Clause :26 (Page no:34)	Terminal box on the module shall have a provision for opening for replacement of cable	Terminal box comes with inbuilt cable, exclusively cable cannot be replaced, and if there any fault noticed then JB itself can be replaced and it's a industry practice.	Noted. Necessary provision shall be there to either replace the cable or JB
	Part-II: Technical specifications, Clause :34 (Page no:43)	Indications on PCU/inverter: ambient temperature, Solar radiation with external pyranometer	Ambient temperature, Solar radiation with external Pyranometer indications can be seen only in remote monitoring system.	Noted
	Clause No.25 Page No17	Customs Duty , Excise Duty, Service Tax, CST, etc. However, pending notification for exemption of state levies such as Value Added Tax (VAT), WCT, etc. by Karnataka State Government, these taxes are applicable at present. The state Government of Karnataka	At present GST is applicable only. Please clarify the exemption policy of GST in case of SEZ.	Supply to SEZ units under GST shall be treated as supply in the course of inter-State trade or commerce and the same will be treated as "Zero rated supply" as per GST Act. Accordingly Supplier shall not charge GST on supply to OMPL. Refer attached GST letter for details
	Tax- Page No 80 . Clause No 8	TAX	Please clarify if the equated rate include of GST or exclude of GST	As above
		Contracts	Kindly confirm if it is single order or separate order on supply and service will be given	Single order shall be issued as per the scope of work of the tender document
	Page No. 11		We understand for O&M, a separate PBG needs to be submitted	Yes, in line with clause no. 26 on Page No. 11 of tender document
	Page No. 75, 78		The tender calls for no deviation on Technical and commercial terms. However we observe that there is format provided for any deviation to be taken. Request you to please clarify if there is deviation allowed or not allowed	Deviations are not allowed. However incase bidder want to take deviations, same are to be indicated in the format provided on Page No. 78
	Page No. 76, 77		The BG called is for 5 +1 year we request MRPL to make it total 5 years only as the O&M is there for only 5 years. The O&M will start immediately after commissioning of the plant. Hence, PBG should be for only 5 years from the date of successful commissioning	Refer clause no. 26 on Page No. 11 tender document
	Page No.6, Clause No.6	The bidder must be MNRE approved channel partner /System integrator is not applicable, hence request you to eliminate the clause.	At present MNRE approved channel partner/System integrator is not applicable, hence request you to eliminate the clause.	This clause is eliminated on the basis on GoI Notification F. No. 5/22/2013-14-GCRT dated 23.11.2017 by MNRE.



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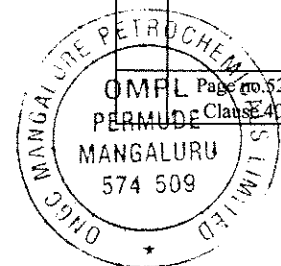
Sl.	Section	Description	Query	OMPL Replies/Clarifications/Amendment/Corrigendum
	Page No.6, Clause No.6	The bidder must have executed similar solar power plant jobs (Design, Engineering, Procurement, installation & commissioning) successfully of at least 400kWp (DC) capacity in grid connected system in any Petrochemical/ Refinery/ Chemical/ Fertilizer/ Steel / Power and Utilities industry in the last 7 years ending last day of the month previous to the one in which tenders are invited. System considered for the above shall be satisfactorily operating at the time of submission of the bid. Necessary documentary evidence shall be submitted along with the bid for evaluation.	Request you to consider the credential of installation on airport	Clause has been revised as below: The bidder must have executed similar solar power plant jobs (Design, Engineering, Procurement, installation & commissioning) successfully of at least 400kWp (DC) capacity in grid connected system in the last 7 years ending last day of the month previous to the one in which tenders are invited. System considered for the above shall be satisfactorily operating at the time of submission of the bid. Necessary documentary evidence shall be submitted along with the bid for evaluation. Bidder to understand the work location & safety system and necessary consideration to made before quoting.
	Page No.77	Note-01-Building drawings shall be made available during the contract execution. For these buildings, only basic design & detailed feasibility study needs to be carried out to estimate the solar power production capacity.	We understand for the buildings as mentioned in the Note-01 only basic design and feasibility study is required to assess the capacity of the solar power plant that can be installed in the given area. No EPC works are to be equated for this building in this tenders.	Detailed feasibility has to be carried out for all the building mentioned in the annexure, however, bidder is free to use any set of buildings(with RCC roof only) and not necessarily utilize all for achieving a total of 500kWp installation for which detailed engineering, procurement & installation along with other jobs as detailed in scope of work shall be in bidder's scope.
	Clause No.2.4	Payment Terms:Payment term shall be as follows: For Supply part ie SLA of SOR: i) 85% on actual completion of the work (As per detailed billing break-up to be submitted during kick off meeting on mutual consent basis. ii) 10% on successful PGTR. iii) 5% on submission of final documentation and completion of all works as per order. All banking charges to bidder's account.	Please issue pro rata payments	Prorata payment shall be made based on the detailed Billing break up which shall be duly submitted & approved by the EIC after detailed engineering. Pro-rata payment shall be restricted only to 85% & 10% component. 5% component shall be made in total at the end of the contract after completion of complete scope of work.
	Page-59	Though performance ratio would be the main to be guaranteed by the bidder in the tender, care shall be taken to meet the capacity utilization factor	when the CUF will be measured	CUF shall be measured during & after PGTR
	Page No.11	Performance Bank Guarantee (PBG) : Successful Bidder is required to provide Performance Bank Guarantee (PBG) for 10% total order value (Sl. A of SOR) towards performance guarantee of the system i.e. till 5years from the date of successful commissioning of the system . On award of each year O&M order, successful bidder is required to submit the additional PBG for 10% of the total O&M order for that year and the same shall be renewed after award of such consecutive O&M orders for five years subject to OMPL consent.	We understand FOR O&M a separate PBG needs to be submitted	Yes, in line with clause no. 26 on Page No. 11 of tender document
		Cables	Please specify the voltage drop to be considered in DC side and AC side	Follow tender specification. Voltage drop shall be <2% for both DC & AC side



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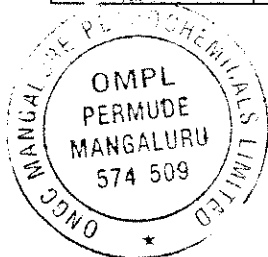
Sl.	Section	Description	Query	OMPL Replies/Clarifications/Amendment/Corrigendum
		Soiling Sensors	Is it mandate to provide soiling sensors along with module cleaning system for checking THD level of water.	No module cleaning system is envisaged as per the tender specification & scope of work
		Array Junction Box	AJB is required for to protect the inverter device from DC surge . If the inverter has in built DC & AC both surge protection device . Therefore don't require AJB and DCDB .(Inverter size above 50 kw doesn't require array junction box) Please confirm	AJBs shall be provided as per tender specification.
		Built-in data logging to monitor plant performance through external PC shall be provided.	Inbuilt data- logger or separate date-logger copatible with inverter of same make can be considered or not. Please confirm.	In-built/separate data logger can be considered as per the compatibility, design & engineering.
	Clause No.6.16	Power Conditioning Unit (PCU) : For sizing of grid connect inverter , the general guideline will be that the ratio of SPV KWp rating to inverter's KVA rating shall be within 1.2.	The overall system of inverters would be overloaded by 20% DC, whereas individual buildings overloading may vary. Please confirm.	Follow tender specification. Sizing ratio shall be maintained for each installation.
	Clause No.6.17	Cables and Hardwares : 6.17.5 Voltage drop on the DC side from array to the inverter should not be more than 2%. Necessary calculations in this regard shall also be submitted during design approval.	Please confirm AC voltage drop	Less than 2%
	Clause No.1.1	FOREWORD: Evacuation voltage and distance of feeding point of power generated from the solar plant 3phase, 415V, 50 Hz, Distance : Approx. 300 m (for each site)	Individual building evacuation to be done if capacity is available in the building else nearby building evacuation to be done. Please confirm.	All buildings are having capacities to utilize the generated solar power, however in case of surplus power, power shall flow to other buildings as all the buildings are in parallel through common sub-station
	Annexure 1		Requested to provide the auto cad drawing which contains Azhimuth for each building	shall be provided to successful bidder after award of order
	Annexure 1		Requested to provide the distance from solar location to injection point for all the buildings/blocks.	approx distance is provided for selected areas in Annexure-I of the tender document, however, it shall be in the bidder's scope to ascertain the length before quoting. No revision or escalation in pricing on account of this shall be allowed after award of order.
	Page no.59, Clause 5	Formula to obtain the Performance Ratio	Formula to obtain PR need to be corrected with temperature and GHI	We do not find any correction required in the same. However, same shall be looked into during PGTR and necessary correction shall be made, if required, as per the necessary backup documents on the same
	Page no.59, Clause 6	PR Duration & LD	Requested to provide the duration of PR to be conducted and how LD will be imposed (is it fixed or % deviation).	PR shall be conducted during PGTR & shall be monitored over a period of 5 year after commissioning and handover as per the warranty/PBG Clause. There is no deduction on account of PR, however, bidder shall take care of the same during detailed engineering and necessary rectification to match the PR requirement, if required, shall be bidders' scope if the same is found not as per the tender requirement during PGTR & subsequent monitoring. LD shall be imposed on account of delay of work, 0.5% per week or part thereof subject to a maximum of 5%
	Page no.52, Clause 40	Metering point	Pl.specify the Metering point for calculation of performance ratio.	ACDB



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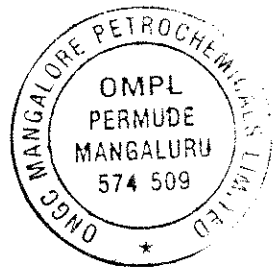
Sl.	Section	Description	Query	OMPL Replies/Clarifications/Amendment/Corrigendum
	Page no.29, Clause 3	Voltage drop from array to inverter shall be less than 3%	There is a ambiguity on voltage drop that in page no.46 voltage drop mentioned as 2%. Please clarify.	Voltage drop for both AC & DC Side shall be <2%
	Page no.38, Clause 30	Minimum distance between roof edge and mounting structure :600mm	We recommend to consider 300mm clearance which is sufficient for the Roofs.	Same is upto the bidder to decide as per the industry practice and standards. However, bidder shall take care of the operation requirement for such clearances and shall be a point of drawing approval after detailed engineering.
	technical Criteria	The bidder must have executed similar solar power plant jobs (Design, Engineering, Procurement, installation & commissioning) successfully of at least 400kWp (DC) capacity in grid connected system in any Petrochemical/ Refinery/ Chemical/ Fertilizer/ Steel / Power and Utilities industry in the last 7 years ending last day of the month previous to the one in which tenders are invited. System considered for the above shall be satisfactorily operating at the time of submission of the bid. Necessary documentary evidence shall be submitted along with the bid for evaluation.		Clause has been revised as below: The bidder must have executed similar solar power plant jobs (Design, Engineering, Procurement, installation & commissioning) successfully of at least 400kWp (DC) capacity in grid connected system in the last 7 years ending last day of the month previous to the one in which tenders are invited. System considered for the above shall be satisfactorily operating at the time of submission of the bid. Necessary documentary evidence shall be submitted along with the bid for evaluation. Bidder to understand the work location & safety system and necessary consideration to made before quoting.
	Page 6 Clause No	The bidder must be MNRE approved channel partner /System integrator	It is stated that bidder must be a MNRE Channel Partner. We were channel partners earlier. Currently we are an independent System Integrator. Can we bid for this project?	This clause is eliminated on the basis on GoI Notification F. No. 5/22/2013-14-GCRT dated 23.11.2017 by MNRE.
	Page 6 Clause No	The bidder must have executed similar solar power plant jobs (Design, Engineering, Procurement, installation & commissioning) successfully of at least 400kWp (DC) capacity in grid connected system in any Petrochemical/ Refinery/ Chemical/ Fertilizer/ Steel / Power and Utilities industry in the last 7 years ending last day of the month previous to the one in which tenders are invited. System considered for the above shall be satisfactorily operating at the time of submission of the bid. Necessary documentary evidence shall be submitted along with the bid for evaluation.	It is stated that bidder must have executed 400KWP in Petrochemical/Refinery/Chemical/Fertiliser/Steel/Power and Utilities. We have experience of 1.2MW roof top SPV experience but in a Deemed University... will it be applicable?	Clause has been revised as below: The bidder must have executed similar solar power plant jobs (Design, Engineering, Procurement, installation & commissioning) successfully of at least 400kWp (DC) capacity in grid connected system in the last 7 years ending last day of the month previous to the one in which tenders are invited. System considered for the above shall be satisfactorily operating at the time of submission of the bid. Necessary documentary evidence shall be submitted along with the bid for evaluation. Bidder to understand the work location & safety system and necessary consideration to made before quoting.



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Sl.	Section	Description	Query	OMPL Replies/Clarifications/Amendment/Corrigendum
	Page No 6: 6 (ii)	The bidder must have executed similar solar power plant jobs (Design, Engineering, Procurement, installation & commissioning) successfully of at least 400kWp (DC) capacity in grid connected system in any Petrochemical/ Refinery/ Chemical/ Fertilizer/ Steel / Power and Utilities industry in the last 7 years ending last day of the month previous to the one in which tenders are invited. System considered for the above shall be satisfactorily operating at the time of submission of the bid. Necessary documentary evidence shall be submitted along with the bid for evaluation.	We need a clarity weather the Bidder should have been executed 400kw Solar Power Plant in cumulative (or) Single Order.	Clause has been revised as below: The bidder must have executed similar solar power plant jobs (Design, Engineering, Procurement, installation & commissioning) successfully of at least 400kWp (DC) capacity in grid connected system in the last 7 years ending last day of the month previous to the one in which tenders are invited. System considered for the above shall be satisfactorily operating at the time of submission of the bid. Necessary documentary evidence shall be submitted along with the bid for evaluation. Bidder to understand the work location & safety system and necessary consideration to made before quoting. Execution of above capacity shall be in single order only.
	Page No 122: 6	Price Confirm that price has been submitted in a separately sealed envelope super scribing "PRICE PART" in one original.	This is online (or) offline tender?	OFFLINE TENDER
	Page No 24: Point No. 10	Structural stability certificate from any one of the following agencies: IITs / IISc / NITs / any reputed structural consultant for the roofs (both RCC and sheet steel) with solar panels installed. Decision of EIC in selection of any reputed structural consultant shall be final & binding.	Does it mean third party Certificate or Inspection Report to be done from above agencies at our cost or you will bear the cost for the same?, because the structural stability certificate should be done before applying the tender.	Same has to be done at the cost of the bidder. Getting it done before or after award of order is upto the bidder to decide. As there are 26 buildings listed out for detailed feasibility, but the installation and other scope shall be restricted to 500kWp only and bidder is free to choose any set of buildings(only RCC Roofs). Structural Stability to be carried out only for the selected buildings.
	Page No.33 4th Point	Solar PV Module manufacturing shall be of minimum 5 Bus Bar technology.	5 Bus bar Technology shall be enquired with the manufacturers and the confirmation will be sent.	Follow tender specification



Taxes and duties

1.1 Bidders quoted price shall be inclusive of all taxes & duties excluding Goods and Service Tax (GST). In view of OMPL being an SEZ Unit, Supply of goods or services or both to a SEZ units shall be treated as supply in the course of **inter-State trade or commerce** and the same is "zero rated supply" as per the Integrated Goods and Services Tax Act, 2017 *(hereinafter referred to as 'IGST Act')*. Accordingly Supplier shall not collect GST on supply to OMPL.

1.2 **Bidder / Suppliers / Contractors / Service Providers shall have registration under IGST Act for supply of goods/services or both to OMPL-SEZ Unit.**

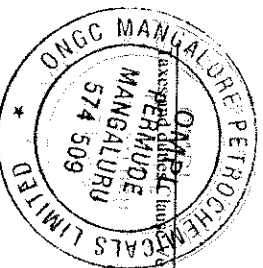
1.3 The brief procedure for 'Zero Rated Supply' to a SEZ Unit under the IGST Act (as prevailing upto 31.07.2017 and subject to any amendments/ procedures prescribed by the Central Government from time to time) is laid down hereunder:

1.3.1 As per the IGST Act,

- (i) Supply of goods or services or both to a SEZ unit shall be treated to be a supply of goods or services or both in the course of inter-State trade or commerce. *[Refer Sec. 7(5)(b) to IGST Act]*
- (ii) The supply of goods or services where the location of the supplier and the place of supply of goods or services are in the same State or same Union Territory shall be treated as intra-State supply. However, the supply of goods or services to a SEZ unit shall *not be treated* as intra-State supply. *[Refer Sec. 8(1) & 8(2) of IGST Act]*
- (iii) The supply of goods or services or both to a SEZ unit amounts to "zero rated supply" of goods or services or both. *[Refer Sec. 16(1)(b) of IGST Act]*
- (iv) Subject to provisions of Sec. 17(5) of the Central Goods and Services Tax Act, 2017 *(hereinafter referred to as 'CGST Act')*, credit of input tax may be availed for making zero-rated supplies, notwithstanding that such supply may be an exempt supply. *[Refer Sec. 16(2) of IGST Act]*
- (v) A registered person making zero rated supply shall be eligible to claim refund under either of the following options, namely:
 - (a) he may supply goods or services or both under bond or Letter of Undertaking, subject to such conditions, safeguards and procedure as may be prescribed, without payment of integrated tax and claim refund of unutilized input tax credit; or
 - (b) he may supply goods or services or both, subject to such conditions, safeguards and procedure as may be prescribed, on payment of integrated tax and claim refund of such tax paid on goods or services or both supplied.

in accordance with the provisions of section 54 of the Central Goods and Services Tax Act or the rules made thereunder. *[Refer Sec. 16(3) of IGST Act]*

1.3.2 The procedure for claiming refund on making a 'Zero Rated Supply' to a SEZ Unit as specified under Sec. 16(3) of the IGST Act is as under:



Ref:31072017

A. For claiming refund under Section 16(3)(a) of the IGST Act—“zero-rated supply” of goods or services or both to a SEZ Unit under Bond or LUT, without payment of IGST and claiming refund of unutilised input tax credit:

- a) The supplier shall furnish the Bond/LUT to GST authority before making the zero-rated supply. (Refer Form GST-RFD-11 & related Rules, Circular No. 4/4/2017-GST dated 07/07/2017&suppliers from Karnataka State may also refer Commissioner of Commercial Taxes Circular No. 06/2017-18, dated 13/07/2017).
- b) The Tax Invoice for this supply shall carry an endorsement “SUPPLY TO SEZ UNIT FOR AUTHORISED OPERATIONS UNDER BOND OR LETTER OF UNDERTAKING WITHOUT PAYMENT OF INTEGRATED TAX” and also the details of bond/LUT furnished to GST authority.
- c) The tax invoice for supply of goods or services or both to SEZ Unit shall be presented to the specified officer of the Zone for its endorsement. (Any change in the law or procedure relating to the SEZ Act or Rules made thereunder shall be complied with from time to time).
- d) The supplier of goods or services or both to a SEZ unit may claim refund of unutilized input tax credit in terms of Sec. 16(3)(a) of IGST Act read with Rule 89 of the CGST Rules, 2017. Alternatively, he may utilise the input tax credit attributable towards the supplies made to SEZ for paying his output tax liability as per Input Tax Credit provisions in terms of Section 16, 17 and 18 of CGST Act read with Rule 36 to 45 of CGST Rules, 2017.

B. For claiming refund under Section 16(3)(b) of the IGST Act – “zero-rated supply” of goods or services or both to a SEZ unit on payment of IGST and claiming refund of IGST paid:

- a) The Tax Invoice for this supply shall carry an endorsement “SUPPLY TO SEZ UNIT FOR AUTHORISED OPERATIONS ON PAYMENT OF INTEGRATED TAX”. Further supplier shall indicate in their tax invoice that “The IGST amount mentioned in the invoice shall be paid by the registered person making zero-rated supply without claiming the same from SEZ Unit”.
- b) The tax invoice for supply of goods or services or both to SEZ Unit shall be presented to the specified officer of the Zone for its endorsement. (Any change in the law or procedure relating to the SEZ Act or Rules made thereunder shall be complied with from time to time).
- c) The supplier of goods or services or both to a SEZ unit may claim refund of IGST paid in terms of Sec. 16(3)(b) of IGST Act read with Rule 89 of the CGST Rules, 2017.

1.4 The Bidder / Suppliers / Contractors / Service Providers shall be required to issue tax invoice and shall upload the appropriate information/data/document at GSTN portal as prescribed under the provisions of IGST Act, respective State GST Acts and Rules and the CGST Act and Rules made thereunder. Any non-compliance in this regard or non-receipt of tax invoice, OMPL shall have the right to withhold the payment against such Tax Invoice. The TDS on the supply of goods or services or both, if applicable, shall be deducted in accordance with the provisions of GST Law at applicable rate and a certificate as prescribed for such deduction shall be provided by OMPL.



1.5 The Bidders/Suppliers/Contractors/Service Providers shall ensure proper compliance with the provisions of the IGST Act, respective State GST Acts and Rules and the CGST Act and Rules including the anti-profiteering Clause or other related clauses, payment of taxes, filing of returns, issuance of e-way bills/other documentary requirements for supply of goods or services or both as may be required under the said Acts and Rules made thereunder and enable OMPL to comply with the requirements under the said Acts and Rules made thereunder in respect of any supply of goods or services or both under this Tender/Purchase/Work Order/Contracts.

1.6 Any statutory variation or new taxes/ duties/cess/levies notified/ imposed after the submission of last/ final price bid, but before the contractual date of completion of work shall be to the Owner's account. However, any statutory variation after the contractual date of completion shall be to Contractor's account.

1.7 Income Tax / Corporate Tax :

- A) As regards Income Tax, Surcharge on Income Tax or any other Corporate Tax payable by the Bidder for reason of the contract awarded, and / or on their expatriate personal, the Owner shall not bear any Tax liability whatsoever, irrespective of the mode of construction of contract / order. The Bidder shall be liable and responsible for payment of such tax, if attracted under the provision of Indian Income Tax Act.
- B) Bidder may note that if any tax is deductible at source as per Indian Income Tax Law, the same will be so deducted before releasing any payment to the Bidder and a TDS (Tax deducted at source) certificate will be furnished to the Bidder.



Goods and Service Tax (GST)

A) GSTIN details of ONGC MANGALORE PETROCHEMICALS LTD (an SEZ Unit) are as under for your database updation and reference:

No. Of Location/GSTIN	One/Single Location.
Address of the Location	ONGC MANGALORE PETROCHEMICALS LTD (an SEZ Unit) Mangalore Special Economic Zone, Permude, Mangaluru – 574 509
Nature of Business Activity	SEZ Unit - Factory / Manufacturing
PAN	AAFCM0322D
Application Reference Number (ARN)	AA2903170485621
Provisional GSTIN	29AAFCM0322D1ZY

B) Bidders/Contractors/Suppliers are requested to submit their provisional GST registration details in the following format:

Sl	Name of Vendor	Location / Address	Provisional GST No. / GST no.
1			
2			
3			
4			
5			

